

Renewals of Active Grants Approved through January, 1956 (continued)

- #53R1 - Hugh Montgomery, M.D., Associate Professor of Medicine, University of Pennsylvania, Medical School, Philadelphia 4, Pa. "Influence of Tobacco Smoking on the Blood Flow of Skin and of Muscles of Extremities in Sympathectomized and Unsympathectomized Subjects."
\$10,043.75 - One year
- #62R1 - Joseph H. Hafkenschiel, M.D., Director of Cardiopulmonary Unit, Lankenau Hospital, Overbrook, Philadelphia 31, Pennsylvania. "Measurement of Coronary Blood Flow, Cardiac Work and Cardiac Oxygen and Carbohydrate Metabolism in Normotensive Subjects Before and After Intravenous Nicotine and After Smoking Standard Cigarettes."
\$7,938.00 - One year

Renewals of Active Grants Approved through May, 1956

- #91R1 - Richard J. Bing, M.D., Professor of Medicine, Washington University, St. Louis, and Chief of the Washington University Medical Service, Veterans Administration Hospital, St. Louis, Missouri. "I. The Effect of Nicotine on Purified Actomyosin Bands. II. The Effect of Tobacco Smoking on the Coronary Circulation and Myocardial Metabolism of Individuals with Coronary Arteriosclerosis."
\$9,790.00 - One year
- #66R1 - Carl C. Gruhzt, Ph.D., M.D., Associate in Physiology and Pharmacology, Department of Physiology and Pharmacology, Graduate School of Medicine, University of Pennsylvania, Philadelphia 4, Pa. "Pharmacologic Study of Nicotine and Related Alkaloids."
\$13,915.00 - One year
- #74R1 - Cecilie Leuchtenberger, Ph.D., Associate Professor of Cytology and Biology, Institute of Pathology, Western Reserve University, Cleveland 6, Ohio. "Quantitative Analysis of Nucleoproteins in Tissues from Animals Subjected to Tobacco Smoke by Microspectrophotometry and Interference Microscopy Correlated with Cytological and Histological Studies."
\$17,282.20 - One year
- #14R1 - Hurley Lee Motley, M.D., Professor of Medicine and Director Cardio-Respiratory Laboratory, University of Southern California School of Medicine, 3518 University Avenue, Los Angeles 7, California. "A Study of the Effects of Smoking on Pulmonary Function."
\$19,000.00 - One year
- #51R1 - H. R. Pratt-Thomas, M.D., Professor of Pathology, Medical College of South Carolina, 16 Lucas Street, Charleston, South Carolina. "Application of a New Bio-Assay Technique in Examination of Cigarette Smoke Condensate for Possible Carcinogens."
\$8,634.50 - One year

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- #72R1 - R. H. Rigdon, M.D., Professor of Pathology and Director, Laboratory of Experimental Pathology, University of Texas Medical Branch, Galveston, Texas. "(a) Study Effect of Methylcholanthrene on Tissues of the Duck. (b) Compare Reaction in Chicken and Turkey. (c) Complete Study of the Effect of Methylcholanthrene on Trachea. (d) Culture Tumor in Yolk Sac of Developing Chick Embryos and on Chorio-Allantoic Membrane of Chicks." \$5,290.00 - One year
- #68R1 - Charles E. Sherwood, M.D., Assistant Professor of Radiology, The University of Rochester School of Medicine and Dentistry, 260 Crittenden Boulevard, Rochester, New York. "Investigation into the Natural History of Carcinoma of the Lung with Particular Reference to the Radiographic Appearance of Such Processes, the Earliest Manifestation of Cancer on Chest X-Rays and the Tabulation of the Relationship of Smoking Habits and Occupation with the Incidence of Lung Cancer." \$5,750.00 - One year
- #85R1 - Sam Sorof, Ph.D., Associate Member, The Institute for Cancer Research and the Lankenau Hospital Research Institute, 7701 Burholme Avenue, Fox Chase, Philadelphia 11, Pennsylvania. "Chemical and Physical Studies on the Tissue Proteins Involved in Chemical Carcinogenesis." \$2,160.00 - One year (Supplement)
- #89R1 - Caroline Bedell Thomas, M.D., Associate Professor of Medicine, The Johns Hopkins University School of Medicine, 710 North Washington Street, Baltimore 5, Maryland. "The Significance of Individual Smoking Patterns in Healthy Young Adults. (a) Comparison of Smokers and Non-Smokers in Regard to 1) Family History of Hypertension and/or Coronary Artery Disease; 2) Physiologic Characteristics; and 3) Psychologic Traits. (b) Ballistocardiographic Studies of the Circulatory Response to Smoking, with Analysis of Differences Associated with Family History, Physiologic and Psychologic Traits." \$8,510.00 - One year
- #92R1 - Janet Travell, M.D., Associate Professor, Clinical Pharmacology, Cornell University Medical College, 1300 York Avenue, New York 21, N. Y. "Cardiac Effects of Nicotine in the Rabbit with Experimental Coronary Atherosclerosis." \$11,000.00 - One year
- #97R1 - J. Edwin Wood, M.D., Massachusetts Memorial Hospitals, Evans Memorial, 65 East Newton Street, Boston 18, Massachusetts and Instructor in Medicine, Boston University School of Medicine. "The Acute Effect of Inhalation of Tobacco Smoke Upon Reactive Hyperemia Blood Flow of the Foot in Normal Individuals and Patients with Peripheral Vascular Disease." \$4,000.00 - One year

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- #117 - Victor Richards, M.D., Professor of Surgery, Executive Head of Department of Surgery, Stanford University School of Medicine, Sacramento and Webster Streets, San Francisco 15, California. "A Comparative Study of the Effects of Whole and Fractionated Extracts of Cigarette Smoke and Those of Known Carcinogens on I. The Cytology and Nuclear DNA Content of Epidermis in Various Strains of Mice and/or II. The Cytology and Nuclear DNA Content of Lung and Epithelium of the Bronchial Tree of Mice and Hamsters." \$33,800.00 - One year

Grants Approved May 1956

- #126 - James Bonner, Ph.D., Professor of Biology, California Institute of Technology, 1201 East California Street, Pasadena, California. "Enzymatic Study of Methylation Reactions in Plant Tissue." \$9,680.00 - One year
- #128 - Paul S. Larson, Ph.D., Professor of Pharmacology, Medical College of Virginia, Richmond 19, Virginia. "Enzymatic Transformations of Nicotine." \$29,080.00 - One year
- #134 - Tissue Culture
- (a) Contribution to Tissue Culture Association- \$5,000
One year
 - (b) George O. Gey, M.D., Johns Hopkins University.
Fellowship for Study of the Culture of Human
Lung Tissue in Vitro - One year \$8,000
- #123 - Jerry Hart Jacobson, M.D., Director, Division of Electrophysiology, New York Eye and Ear Infirmary. "A Comparison of Electroretinography as a Means of Evaluating the Effect of Vasoconstrictor Drugs Upon Cerebral and Retinal Circulation to Other Techniques for this Determination." \$4,200.00 - One year

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